

### **ABSTRACT**

The invention relates to an electrochemical method for the cleaning surfaces of metallic work pieces and an electrode (1) for the electrochemical cleaning of surfaces of metallic work pieces (2), especially surfaces in the region of welded seams. The electrode comprises a connection (4) enabling it to be connected to an electric voltage source (5), and an insulating layer (7) for the impregnation of an electrolyte (8). The aim of the invention is to improve the cleaning effect and to accelerate the cleaning process and to provide maximum protection for an electrode (1). A device (9) for generating an oscillation, especially an ultra sound transmitter, is provided in or on the electrode (1).